

## STRUCTURE AND OPERATING PRINCIPLES OF A DEVICE AVATAR

### ABSTRACT OF THE DISCLOSURE

[00030] The present invention includes a method and a device avatar system for providing at least one electronic service for a first physical electronic device associated with a first device avatar. In the system, an avatar hosting infrastructure includes at least the first device avatar and provides an encapsulated autonomous system that facilitates communication between the first device avatar and the first physical electronic device. The first device avatar, coupled to receive at least communications from a first controller, provides the at least one electronic service to the first physical electronic device. The first controller, coupled to the first device avatar, enables an owner to implement the at least one electronic service for the first physical electronic device. The first physical electronic device is coupled to the first device avatar and operates in a predetermined fashion in accordance with the at least one electronic service.